INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/001475

		FC1/012	0047001473
A. CLASSIFIC. Int.C17	ATION OF SUBJECT MATTER C02F1/44, B01D61/02, 61/14, C0	02F1/04	
According to Inte	mational Patent Classification (IPC) or to both national	classification and IPC	
B. FIELDS SEA	ARCHED		
Int.Cl'	entation searched (classification system followed by clas CO2F1/44, BO1D61/02, 61/14, CO	J2F1/04	
Jitsuyo Kokai Ji	tsuyo Shinan Koho 1971-2004 Jit	suyo Shinan Toroku Koho	1994-2004
Electronic data b	ase consulted during the international search (name of da	ata base and, where practicable, search te	rms used)
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.
E,X	JP 2003-103257 A (Pigeon Corp 08 April, 2003 (08.04.03), Claims; Par. No. [0034]; Fig. (Family: none)		1,3-6,8,9, 13-15
x	JP 61-061690 A (Mitsui Engineering & 1,3-5,8,9,1) Shipbuilding Co., Ltd.), 29 March, 1986 (29.03.86), Claims; page 2, lower left column, lines 8 to 12 (Family: none)		1,3-5,8,9,13
Y A	same as above same as above		6,14,15 10-12
X Further do	ocuments are listed in the continuation of Box C.	See patent family annex.	<u> </u>
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than		"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family Date of mailing of the international search report 25 May, 2004 (25.05:04)	
Name and maili Japane	ng address of the ISA/ se Patent Office	Authorized officer	
		Telephone No.	





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		PCT/JPZU	004/001475
(Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant	Relevant to claim No.	
Y	JP 08-276122 A (Dainichiseika Color & Chem Mfg. Co., Ltd.), 22 October, 1996 (22.10.96), Par. Nos. [0002], [0004] (Family: none)	6	
Y	<pre>JP 09-248429 A (Toray Industries, Inc.), 22 September, 1997 (22.09.97), Par. No. [0025] (Family: none)</pre>		14,15
Y	JP 63-287497 A (Nippon Flour Mills, Co., Ltd.), 24 November, 1988 (24.11.88), Page 4, upper right column, lines 5 to 9 (Family: none)		15
x ·	JP 2001-029754 A (Toyobo Co., Ltd.), 06 February, 2001 (06.02.01), Claims; Par. No. [0001] (Family: none)		1,2,7-9,13
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